Attachment
Exhibit No. 2

COMMONWEALTH OF VIRGINIA

STATE CORPORATION COMMISSION

APPLICATION OF	)	
	)	
C4GT, LLC	)	
	)	
For a Certificate of Public Convenience and Necessity to Construct and Operate an Electric Generating Facility in Charles City County, Virginia pursuant to Va. Code § 56-580D	)	Case No. PUE-2016-00000104

DIRECT TESTIMONY

OF

THOMAS O. PRITCHER

ON BEHALF OF

C4GT, LLC

SEPTEMBER 14, 2016

Q. PLEASE STATE YOUR NAME, BUSINESS ADDRESS AND OCCUPATION.

A. My name is Thomas O. Pritcher and I am a Senior Principal Engineer with Environmental Consulting and Technology, Inc. ("ECT"), which is located at 7208 Falls of Neuse Road, Raleigh, North Carolina 27615.

Q. ON WHOSE BEHALF ARE YOU TESTIFYING?

A. I am testifying on behalf of C4GT, LLC ("C4GT" or the Applicant").

Q. WHAT IS C4GT SEEKING FROM THE COMMISSION IN THIS PROCEEDING?

A. C4GT has filed an application together with the accompanying testimony and the related attachments and exhibits (collectively, the "Application") with the Commission requesting that the Commission issue a Certificate of Public Convenience and Necessity to construct and operate natural gas fired electric generating facility with a net nominal generating capacity of 1,060 megawatts, in Charles City, County, Virginia (the "Facility").

Q. WHAT IS THE PURPOSE OF YOUR TESTMONY IN THIS PROCEEDING?

A. The purpose of my testimony is to address the environmental impact and permitting aspects of the Facility. I sponsor Section 12, subsections (a)-(1) of Attachment 1 to the Application.

Q. HAVE YOU PREVIOUSLY PROVIDED TESTIMONY AS A WITNESS ON ENVIRONMENTAL MATTERS BEFORE A REGULATORY COMMISSION?

A. Yes. I have testified before the Texas Environmental Quality Commission.

Q. WHAT IS YOUR EDUCATIONAL BACKGROUND AND EXPERIENCE?

A. I hold a Bachelor of Science (Agricultural Engineering) degree from Clemson University. I am a registered professional engineer in the State of North Carolina, the State of South

Carolina, the State of Michigan and the State of Mississippi. I have spent 23 years in the field of environmental consulting with an emphasis on air quality issues related to electrical generating facilities and managing the overall environmental permitting process of electrical generating facilities.

Q. WHAT ARE THE DUTIES AND RESPONSIBILITIES OF ECT WITH RESPECT TO THE PROPOSED C4GT FACILITY?

A. C4GT has retained the services of ECT to addresses environmental impact and permitting aspects of the Facility. ECT prepared the Environmental Assessment attached as Exhibit 9 to Attachment 1 to the Application. In that regard, I am primarily responsible for all phases of the environmental studies in the Environmental Assessment as well as the related permit submittals for the Facility.

Q. PLEASE BRIEFLY DESCRIBE THE PROPOSED C4GT, LLC PROJECT?

A. C4GT proposes to construct and operate the Facility in Charles City County, Virginia that will be fueled exclusively by natural gas and is designed to minimize adverse environmental effects. C4GT is seeking the option to install either of the following H-class combustion turbines: the General Electric 7HA.02 or the Siemens SGT6-8000H (1.4+). The equipment to be used and the manner in which the Facility will be operated are more particularly described in the Application and in the Section 3.3 of the Environmental Assessment.

Q. PLEASE SUMMARIZE THE ENVIRONMENTAL EFFECTS OF THE PROPOSED C4GT, LLC PROJECT.

A. As more specifically described in the Environment Assessment, through a combination of the design of the Facility, its location and regulatory permits, the Facility will have minimal environmental effects. We also determined that construction on the site will

avoid the Waters of the U.S. ECT also conducted preliminary evaluations of the effect of the Facility. Our research to date shows that there will be minimal impact to threatened or endangered species or their habitat. ECT considered the impact of the water pipelines to be constructed and found no material adverse environmental effects. We also studied the effect of air emissions and concluded that C4GT is eligible for an air permit. In sum, we have evaluated the local, state and federal permits needed for the Facility. Our conclusion is that the overall environmental impacts from the C4GT project will be minimal and that these effects will be addressed adequately through permit conditions and oversight by local, state and federal agencies.

Q. **PLEASE DESCRIBE C4GT'S PROGRESS IN OBTAINING AN AIR PERMIT.**

A. C4GT is seeking a Prevention of Significant Deterioration Permit ("PSD"). An initial air permit application was submitted to the Virginia Department of Environmental Quality ("DEQ") in June. Public notice of the application has been issued and a public information briefing was held on August 30, 2016. Air emissions will be controlled by the use of Best Available Control Technology ("BACT") and it is my opinion that predicted impacts of the project will demonstrate no adverse impact in comparison to ambient air quality standards.

Q. **PLEASE DESCRIBE HOW THE FACILITY WILL OBTAIN WATER FOR ITS OPERATION.**

A. There will be two subsurface water pipelines constructed from the Facility to the James River. The pipelines will run in a southern direction parallel to State Route 106 until they turn in a western direction within an easement on private property to the river.

Q. **PLEASE DESCRIBE THE PERMITTING REQUIRED FOR C4GT TO USE WATER FOR THE FACILITY.**

A. The Facility will require an average daily withdrawal of approximately 7.4 MGD of

Water with a maximum withdrawal of up to 10.2 MGD. Water will be withdrawn from the James River using an intake structure located in Shirley Cove on the Shirley Plantation. C4GT will own and operate the pumps and pipeline, and will obtain an easement for the water line right of way. Construction of the water facilities and the withdrawal of water will require approvals from the Virginia Marine Resources Commission (VMRC), DEQ, Charles City County, and, if wetlands are impacted, the U.S. Army Corps of Engineers ("USACE"). Based on the analysis performed to date, it is my opinion that there are no expected adverse effects on human and aquatic life due to the Project's water usage. The Facility will discharge all cooling and process water effluent into the James River. C4GT submitted a Virginia Pollutant Discharge Elimination System (VPDES) Permit Application which is currently under review by the DEQ. Due to several recent changes in anticipated operations, C4GT intends to file a VPDES permit application modification and plan later this month. Applicable storm water, well and septic permits for the Facility will be obtained during the construction process.

Q. ARE THERE ANY WETLANDS LOCATED WITHIN THE FOOTPRINT OF THE PROJECT SITE?

A. Our initial wetlands delineations indicate that the Facility site and pipelines will not result in permanent impacts to streams and wetlands. The USACE will be asked to confirm whether any jurisdictional waters will be impacted by the Facility.

Q. PLEASE IDENTIFY ANY OTHER ENVIRONMENTAL PERMITTING APPROVALS REQUIRED FOR THE FACILITY AND C4GT'S PROGRESS IN OBTAINING SUCH APPROVALS.

A. C4GT has consulted with or will consult with all federal, state and local environmental agencies believed to have jurisdiction over the Facility's construction and operation. A more detailed discussion of C4GT's progress in obtaining environmental permits and approvals are contained in the Environmental Assessment (Exhibit 9 to Attachment 1.)

Q. DOES THIS CONCLUDE YOUR PREPARED DIRECT TESTIMONY?

A. Yes

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Attachment
Exhibit No. 3

NOVI Energy Project References

C4GT Project Team

Anand Gangadharan
James W. Cook
Thomas W. Elward
George Hass
Anitha Gangadharan
Phil Lewis
Dusty Rhodes
Gene Churgin

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ANAND GANGADHARAN

President

Education

M.S., Nuclear Engineering
Texas A&M University (1989)

M.S., Physics
University of Madras-India (1985)

B.S., Physics
University of Madras-India (1983)

Summer Professional Programs,
Massachusetts Institute of Technology

Executive Education – Managing Innovation & Technology
Portland State University

Training Programs in Management, Project Management & Supervisory Skills, American Management Association

Professional Affiliations

Member, Board of Directors, Michigan Interfaith Power & Light

Member, Board of Directors, Michigan Energy Innovation Business Council

Member, Great Lakes Renewable Energy Association

Mr. Gangadharan is the President of NOVI Energy, an energy project development and consulting company. Mr. Gangadharan founded NOVI Energy in 2002 after progressing through successful executive leadership positions at CMS Energy, PacifiCorp, and CMS Energy's utility unit, Consumers Energy. Through his leadership, NOVI Energy has achieved recognition with national and international customers in the industrial, commercial, institutional, utility, and government sectors. Mr. Gangadharan was instrumental in establishing long-standing relationships with US Federal Agencies, US National Laboratories, the World Bank, and electricity boards and utilities in US and international markets.

Mr. Gangadharan's professional affiliations include: Member, Board of Directors, Michigan Energy Innovation Business Council; Member, Board of Directors, Michigan Interfaith Power & Light; Member, Great Lakes Renewable Energy Association; Life Member, American Nuclear Society.

Experience

Charles City Combined-Cycle Gas Turbine Plant, Charles City, VA – Mr. Gangadharan is the lead developer for the 1060 MW combined cycle plant in 2x1 configuration that NOVI is developing in Virginia. He is working with local and state governmental officials to gain all necessary approvals and has been the guiding hand working on all strategic aspects of this development. The plant is expected to be in commercial operations in year 2020.

City Point Energy Center, VA – NOVI is developing a 50 MW and 500 kpph combined heat and power (CHP) facility located in Hopewell, Virginia. This plant is being built in partnership with a large industrial facility to supply electricity and steam. Mr. Gangadharan is leading the development efforts that include acquiring a coal based power generation facility and converting into a new natural gas fired combined heat and power facility. The plant is expected to be in operations in year 2019.

Advisory Services to Government of Nepal for Contract Negotiations, Nepal – Mr. Gangadharan was the Project Executive for this initiative and is leading the discussions with Government of Nepal, World Bank and other lending parties to determine their challenges and expectations for financing hydropower projects in Nepal. Currency factors and risks associated with currency exchanges are being explored. He was part of the NOVI team that visited Nepal as part of this assignment to gain alignment with Government of Nepal, Nepal Electricity Authority, and other stakeholders.

NOVI Carolina Digesters, NC – NOVI is developing two new anaerobic digester projects in North Carolina that will process swine waste and generate 8.6 MW of renewable power. Mr. Gangadharan negotiated a 25-year renewable Power Purchase Agreement (PPA) with Duke Energy Progress, Inc. for the developments and negotiated major feedstock supply contracts. Various other initial development actions are underway.

Flower Gate Gas-Fired Power Plant Feasibility Study, Nigeria – Mr. Gangadharan was the Project Executive for this feasibility study, responsible for ensuring that the project remains on schedule, on budget, and to ensure overall customer satisfaction. NOVI project team completed the feasibility study for the development and the report was submitted to United States Trade and Development Authority.

Badagry Combined-Cycle Gas Turbine IPP Feasibility Study, Nigeria – Mr. Gangadharan was the Project Executive for this feasibility study, responsible for ensuring that the project remains on schedule, on budget, and overall customer satisfaction. He was the lead executive for this project ensuring that the conceptual design meets the overall project objective. NOVI project team completed the feasibility study for the development and the report was submitted to United States Trade and Development Authority.

ANAND GANGADHARAN
President

Presentations

"Complete Mix Anaerobic Digesters – A Case Study: NOVI Energy"
Presented May 16, 2013
2nd Annual Anaerobic Digestion & Biogas Conference 2013
San Francisco, California

"Green Energy Generation/Storage"
Presented October 6, 2012
National ASEI GET2012 Convention
Detroit, Michigan

"Financing Anaerobic Digestion Systems"
Presented March 14, 2012
The Farm Foundation, webinar on financing anaerobic digestion projects

"Expanding Biogas Applications: Anaerobic Digestion for Industrial and Agricultural Waste"
Presented April 15, 2010; 2010 F&ES IEM Lecture Series

"Electric Supply Delivery Utilizing a Dispersed Generation Strategy Creates Opportunity for a Phased Growth, Reliability, Fuel Diversity and Security"
Presented June, 2005: Republic of Iraq, Ministry of Electricity

Halifax County Biomass (HCB) Power Project, South Boston, VA – Mr. Gangadharan was responsible for the vision that brought the 50 MW biomass-fueled Halifax County Biomass plant from an initial feasibility study to a development project and achieved commercial operation. He has worked with local and state governmental officials to gain all necessary approvals and has been the guiding hand working on all strategic aspects of HCB. Mr. Gangadharan successfully negotiated the development agreement with NOVEC to implement this US$180 million project. He provided leadership for NOVI's work on HCB and the project started commercial operations in December 2013.

Fremont Community Digester (FCD), Fremont, MI – NOVI developed and operated this state-of-the-art $22 million multi-feedstock anaerobic digester in Fremont, Michigan. This renewable power facility processes 350 tons-per-day of different organic wastes to produce biogas fired in reciprocating engine generators to produce 3 MW of electricity. Mr. Gangadharan negotiated the major contracts and secured a $2.3 million Energy Efficiency grant from the Michigan Public Service Commission. He also negotiated a 20-year Renewable Energy Purchase Agreement (REPA) for the plant with Consumers Energy.

Uganda Biofuels Development Project, Kampala, Uganda – Mr. Gangadharan provided Executive Leadership in working with the Ministry of Energy and Mineral Development (MEMD) to define and develop a biofuels strategy for the Republic of Uganda that did not have an impact on food resources. The strategy helped define the country's requirement for biofuels, appropriate blending ratios with conventional fossil fuels, specific crops and plantation sizes, technologies for fuel extraction, policies, incentive legislation, and regulation. He engaged with leaders from the government, industry, civil society, utility, and energy sectors.

Evaluation of Criteria for Concentrating Solar Power Projects, World Bank – Mr. Gangadharan was Project Executive for a project contracted by the World Bank to evaluate the feasibility of scaling up Concentrating Solar Power (CSP) in developing countries and to examine the role of various models of incentives and regulations to enhance the understanding of barriers to deployment of CSP. Countries analyzed included Spain, Israel, Algeria, South Africa, and India.

Energy Sector Diagnostic Review, The Gambia – Project Executive and technical expert for an assignment for the World Bank to explore the technical, financial, and governance aspects of the energy sector with a view to finding viable solutions to help The Gambia achieve energy security.

City of Fort Wayne, IN Mini/Micro Hydropower Generation, Solar PV System Feasibility Study, Digester Gas Utilization – – Project Executive for NOVI's consulting services with the City-owned electric utility. NOVI evaluated installation of a 2 MW ground-mounted solar PV plant, repowering two abandoned micro-hydro power stations, installing a new micro-hydro power station, and evaluated recovering energy from the biogas produced in their anaerobic sludge digesters. NOVI helped conduct restructuring efforts of the City's utility assets. Walkdowns were conducted to catalogue the City's T&D assets in the absence of drawings or documents.

Serbia Biomass Combined Heat and Power Plant, Kraljevo, Serbia – Provided Executive Leadership in working with the Ministry of Mining and Energy to establish feasibility and to develop the country's first biomass-fired CHP facility. Met with the Ministry of Mining and Energy and established strategies that served as the basis for a biomass program. Mr. Gangadharan, with other NOVI engineers, assessed the district heating system and evaluated potential sites for implementing the biomass project.

Newberry Renewable Energy Project, MI – Conducted initial development activities for a 24 MW wood-fired biomass power generating facility in Newberry, Michigan. He also provided guidance on project development-related activities.

Digester Project Developments, MI and IA – Developer of several anaerobic complete mix anaerobic digestion facilities in Michigan and Iowa. Responsibilities included review of concept development, and discussions/negotiations with feedstock suppliers, local governments, gas and power off-take entities, and fertilizer purchasers.

International Finance Corporation, Washington DC – Provided guidance for the evaluation of distributed generation technologies for implementation in developing nations. As part of the evaluation, visited Sri Lanka and India to obtain information on existing distributed generation markets and to explore possible financial structures for implementation assistance.

Colonial Pipeline Company (CPC), GA – Established a strategic relationship for NOVI to provide energy management services to CPC to reduce energy costs at pipeline pumping and storage locations. Lead negotiator in asset transaction between Colonial and Shaw Group in New Jersey for a buyout of a $12 million facility. Completed transaction successfully with CPC acquiring the facilities for a lower price and preserved incentives from the local electric utility. NOVI operated the units as Asset Manager and improved plant material condition and availability from ~50% to approximately ~90% over a 20-month period.

General Motors Corporation Cogeneration Facility, NJ – As a lead evaluator, reviewed the valuation of a cogeneration facility located at a GM manufacturing site and made recommendations for the future disposition of assets. Provided expert assessment on value of the assets and explored interest of potential buyers for the site.

Honeywell Specialty Chemicals Facility, VA – Development lead on negotiations between a chemical facility and a neighboring power generating facility for possible buyout of the power plant; and lead developer for a 15 MW cogeneration plant to be built at a chemical manufacturing facility in Louisiana.

Explorer Pipeline Company, TX – Formulated a corporate energy management strategy for Explorer Pipeline Company. The energy management initiatives developed as part of this corporate strategy helped the Company achieve its energy management goals. The corporation realized energy cost reductions after the implementation of several initiatives.

Previous Experience

CMS Enterprises Company (1999 - 2002): Executive Director – Prior to NOVI Energy, Mr. Gangadharan was the Executive leading the alternative energy activities of CMS Enterprises Company, the unregulated arm of CMS Energy Corporation, an integrated gas and electric energy company with annual sales of $13 billion and assets of $16 billion throughout the US and in select foreign markets. Mr. Gangadharan successfully launched two new companies for CMS Enterprises, CMS MicroPower Systems, LLC and CMS Distributed Power LLC, both with the distinction of becoming modestly profitable in the first year of operations. Leading the Technology Development initiative for CMS Enterprises, Mr. Gangadharan fostered technology awareness within senior executive management and developed a Distributed Energy Resources strategic plan.

PacifiCorp (1998 - 1999): Senior Director of Corporate Projects – Mr. Gangadharan promoted and gained acceptance for the Business Systems Integration efforts to optimize business processes and to build enterprise-wide common infrastructure. Mr. Gangadharan had responsibility for a 470-person, $160 million effort. Mr. Gangadharan began his association with PacifiCorp at the PacifiCorp Development Company, where he had management responsibility for Technology Assessment. He helped develop PacifiCorp's technology strategy, assessed emerging technologies for threats and opportunities and led due diligence efforts to evaluate investment opportunities for PacifiCorp's emerging energy technology fund.

Consumers Energy (1990 - 2001): Engineer / Project Manager – Mr. Gangadharan held increasingly responsible management positions with Consumers Energy in Michigan. His responsibilities included the management of refueling operations and all plant modifications and projects at the Palisades Nuclear Station.

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JAMES W. COOK, P.E.

Senior Advisor

Education

M.E., Nuclear Engineering
Pennsylvania State University

B.S., Chemical Engineering
Princeton University

Registered Professional Engineer
State of New York

Mr. Cook is a Senior Advisor with NOVI Energy. He provides executive input on NOVI Energy's growth and corporate strategy. Mr. Cook has over 40 years of progressive professional experience in the energy industry, both within the United States and overseas. In his career, Mr. Cook has provided executive leadership in multiple areas of the energy industry, from independent power management to nuclear plant construction.

Experience

Mr. Cook has a direct role in establishing strategy for and implementation of specific NOVI Energy development projects. Previously he successfully led the growth and operation of a leading independent power company as its president. Mr. Cook is currently involved with the Halifax County Biomass project, serving as NOVI's lead on implementing the Construction Management Agreement (CMA) between NOVI and the utility owner NOVEC. He is also overseeing the Halifax County Biomass project's Engineering, Procurement and Construction (EPC) contract and was directly involved in negotiating both the CMA and EPC contracts.

Prior to NOVI Energy, Mr. Cook retired from CMS Energy as Senior Vice President of Technology and Development. In this capacity he led the company's efforts to monetize the natural gas from CMS Oil & Gas's major condensate field in Equatorial Guinea in West Africa. This included the initial feasibility studies through the full implementation of the AMPCO methanol project which successfully reached commercial operating in 2001. Mr. Cook chaired the management committee of the $550 million joint venture which negotiated the Government agreements, built, staffed and operated the plant and marketed the product worldwide. He led the CMS efforts in evaluating desalination technology which led to several major water and power projects in the Middle East. He also initiated the Company's commercial activities in distributed generation by implementing a portable diesel capability first in Venezuela and subsequently in Michigan and Brazil.

Previously, Mr. Cook served for 5 1/2 years as the President of CMS Generation, the independent power subsidiary of CMS Energy, responsible for its acquisition and management of electric power production businesses and projects worldwide. Under his leadership, CMS Generation grew from ownership for 29 megawatts of operating capacity to become one of America's largest independent power producers, with interest in more than 4,900 megawatts from 31 operating power plants in the United States, Argentina and the Philippines. In addition, at the end of this period, CMS Generation was actively developing major international projects in India and Morocco, all of which were successfully completed.

Mr. Cook also held senior positions at several companies within the energy industry, including:

Vice President and General Manager of the Washington, DC office of Pickard, Lowe and Garrick, Inc., an engineering consulting firm serving the Energy Industry. Mr. Cook's practice included general management consulting, prudency analyses for nuclear plant rate cases, probabilistic risk analyses and feasibility studies for nuclear plant conversions.

JAMES W. COOK, P.E.

Senior Advisor

Vice President of Projects, Engineering and Construction for Consumers Power Company, the utility subsidiary of CMS Energy - His responsibilities included organizing and directing the Midland Options Study which, in 1986, led to the decision to convert the abandoned nuclear plant into a combined cycle generating plant fueled by natural gas. Mr. Cook was also a major participant in involving the Dow Chemical Company in the project as a steam customer, making the project a cogeneration facility, and in forming the Midland Cogeneration Venture (MCV) partnership. CMS Energy was the lead developer of the Midland Cogeneration Venture, a 1370 MW cogeneration facility in Midland, Michigan, the largest such project in operation in North America. As VP of Projects, Engineering and Construction he was responsible for all the Company's new energy supply projects and plant modifications, including efforts to finish the nuclear plant, a twin unit, 1300 MW PWR cogeneration plant designed to supply steam to Dow Chemical. Mr. Cook joined Consumers as VP of Energy Planning and was responsible for the Company's strategic planning activities.

Project Engineer with Stone and Webster Engineering Corporation - responsible for the design of several nuclear power plants. In his final assignment Mr. Cook was responsible for the design engineering of Millstone 3 (1100 MW PWR) and the modifications work for Millstone 2 (800MW PWR). Previously at S&W he served as assistant Project Engineer for the design of Philadelphia Electric's Fulton project, two 1100 MW High Temperature Gas Cooled Reactors (HTGRs) and was likewise responsible for the initial design and licensing of VEPCO's Surrey Units 3&4.

Lead Engineer with American Electric Power Service Corporation - where he was responsible for the bid evaluation, conceptual plant design, construction permit licensing and subsequently the fuel management activities for the Donald C. Cook nuclear power plant in southwestern Michigan, (twin 1100 MW PWR's). Prior to joining AEP's Nuclear Division, Cook worked on the mechanical design of several of AEP's supercritical, coal fired plants.

THOMAS W. ELWARD

Senior Advisor, Operations

Education

Harvard Business School Program for Management Development, 1983

M.S. — Nuclear Engineering
University of Illinois, 1972

B.S. —Chemical Engineering
University of Detroit,
Summa Cum Laude, 1971

Mr. Elward is Senior Advisor, Operations with NOVI Energy. He provides executive management input on NOVI Energy's asset operations and corporate strategy. Mr. Elward has over 35 years of progressive professional experience in the energy industry, both within the United States and overseas. In his career, Mr. Elward has provided executive leadership in the areas of power plant staffing, operations and construction, re-negotiation and restructuring of power purchase agreements, power plant purchases and sales, and natural gas and electricity marketing in the energy industry.

Experience

Mr. Elward has a direct role in establishing and reviewing operations strategy for NOVI Energy's operations business area. He has assembled and managed operating organizations for numerous independent power plants, including eight woody biomass-fueled power stations. In addition to his advising duties for NOVI, Mr. Elward is currently a member of the Board of Directors of Federal Mogul Corporation and Chairman of the Board of Directors of Sparta Acquisition Corp., SPE of Borealis Infrastructure Management and owner of the Midland Cogeneration Venture-Largest cogeneration facility in the USA. He was a non-executive chairman of the board of Dynegy, Inc., a power production and energy marketing and trading company based in Houston, Texas.

Prior to NOVI Energy, Mr. Elward retired from CMS Energy as President and Chief Operating Officer of its non-utility energy business, CMS Enterprises. In this capacity he led the company's restructuring from an international owner and operator of generating assets to domestic operations. During his tenure at CMS, Mr. Elward built, staffed, and operated the largest combined power and desalinated water facility in the world (Shuweihat S1, located in United Arab Emirates); developed, built and operated the first private power facility in the Kingdom of Saudi Arabia (Jubail Energy Company); managed the largest independent power plant in Africa (Jorf Lasfar Energy Company) and expanded the facility to double its capacity at the port of Jorf Lasfar in Morocco; managed the largest independent power plant in Australia (Loy Yang Power); and developed, constructed and operated over 20 independent power plants throughout the U.S. and worldwide.

Previously, Mr. Elward served for six years as President of CMS Generation, the independent power subsidiary of CMS Energy. He was responsible for its staffing, operation and management of electric power production businesses and projects worldwide. Under his leadership, CMS Generation received numerous awards for safety and environmental stewardship. He negotiated a major power purchase agreement restructuring for the 710 MW Dearborn Industrial Generation plant. As CMS Generation's Vice President of Operations and later, Senior Vice Presidemt of Operations, he managed a U.S.-based portfolio of electric generating plants to encompass asset management duties for generating plants in Argentina, Australia, Chile, India, Jamaica, Ghana, Morocco, Philippines, Thailand, United States and Venezuela.

THOMAS W. ELWARD

Senior Advisor, Operations

Before joining CMS Generation, Mr. Elward held power operation responsibilities at CMS Energy's electric utility, Consumers Energy, including:

Plant Manager at Consumers' Big Rock Point Nuclear Plant. Mr. Elward was responsible for safe and reliable operations of the nuclear plant and achieved improved regulatory performance ratings from the U.S. Nuclear Regulatory Commission and the Institute of Nuclear Power Operations.

From 1972 to 1987, Mr. Elward held increasingly responsible engineering, management and executive responsibilities for Consumers Power, commencing with leading the start-up testing of the Palisades Nuclear Plant and, on loan to Duke Power, the start-up of Duke's Oconee #1 nuclear plant. He held assignments at the Big Rock Point nuclear plant, Midland nuclear plant construction and corporate management at Consumers Power.

While working on his Bachelor of Science degree in chemical engineering from the University of Detroit, Mr. Elward served as a plant cooperative engineer at the DuPont Company, working on numerous plant modifications and enhancements.

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GEORGE C. HASS

Senior Development Manager

Education

B.S. - Business Administration
Central Michigan
University (Magna cum Laude)

Mr. Hass is a Senior Development Manager with NOVI Energy. He manages the development of various projects for NOVI Energy's energy infrastructure development and consulting business. Mr. Hass has over 30 years of professional experience in the energy industry, both within the United States and overseas. In his career, Mr. Hass has provided management leadership in the areas of development, regulatory, permitting, public affairs and marketing for electric generation projects and natural gas pipeline and storage projects. He is an experienced developer of electric generation projects and natural gas infrastructure projects.

Experience

City Point Energy Center, VA - NOVI is developing a 50 MW combined heat and power (CHP) facility located in Hopewell, Virginia. This plant is being built to supply electricity to PJM and steam to a large industrial facility. Mr. Hass is responsible for all aspects of project implementation including technology selection, cost estimation, project scheduling, risk analysis, site specific design basis, public affairs, regulatory approval, and environmental permitting.

Charles City Combined-Cycle Gas Turbine Plant (C4GT), VA – NOVI Energy is in the process of developing a 2x1 1060 MW combined cycle plant in Charles City County Virginia to sell electricity into the PJM Market. Mr. Hass is responsible for various aspects of project development including technology selection, project scheduling, risk analysis, site specific design basis, public affairs, regulatory approval, and environmental permitting.

Wind Projects, MI– Mr. Hass created and managed the wind development group at Consumers Energy which acquired over 80,000 acres of wind easements. He directed all wind development activities including easement acquisition, site layout, MPSC and zoning approvals, permitting, public affairs and negotiation of the Turbine Purchase Agreement, LTSA, and EPC contracting. The 100 MW Lake Winds Energy Park went into service in 2012. The 111 MW Crosswinds Energy Park followed in 2014 on the previously acquired acreage.

830 MW Coal Plant, Bay City, MI – Mr. Hass managed all development aspects of the $3.2 billion coal plant. He led his team in technology selection, cost estimation, project scheduling, risk analysis, site specific design basis, public affairs, MPSC approval, and environmental permitting. The air permit and wetland permits were obtained however the coal plant was ultimately cancelled due to poor market conditions. Carbon capture technologies were evaluated as well as the suitability of the geology around Bay City for carbon sequestration and enhanced oil recovery.

950 MW Natural Gas Plant, Zeeland, MI – Mr. Hass' group managed the closing of a $517 million natural gas plant, which resulted in an increase in annual pre-tax income of about $45 million for Consumers Energy.

Prairie State Coal Plant, IL – Mr. Hass was CMS Energy's development lead for all aspects of the Prairie State Energy Campus which is a 1600 MW $4.9 billion coal plant and associated coal mine in Illinois. Prairie State was jointly developed with Peabody Energy. Prairie State went into service in 2012. CMS ceased involvement just prior to construction in 2007 due to the lack of a long term electric sale contracts for its portion of the power.

Guardian Pipeline, WI – As the chairman of the greenfield natural gas pipeline in Illinois and Wisconsin, Mr. Hass was responsible for FERC approval, marketing, public affairs, and construction and operations from inception in 1999, through commercial operation until CMS Energy sold it in 2003.

12 Bcf Storage Field, Eaton Rapids, MI – Mr. Hass was the president of the construction and operating committee for a profitable $30 million, 12 Bcf storage field. He sold 12 Bcf of storage capacity under 20 year contracts.

Natural Gas Pipeline, MI – Mr. Hass negotiated a contract with Detroit Edison Company to construct and operate a $8.1 million natural gas pipeline for the Greenwood Power Plant. Under Mr. Hass's management, the pipeline was constructed $250,000 under budget and provided over $650,000 in pre-tax income.

15 MW Co-generation Facility, Port Huron, MI – Mr. Hass developed a joint venture with Dunn Paper Company for a 15 MW Co-generation facility utilizing Solar Turbines.

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ANITHA GANGADHARAN
Vice President,
Finance and Administration

Education

M.S. — Electrical Engineering
Western Michigan University

B.S. — Electronics & Communications Engineering
University of Calicut – India

Ms. Gangadharan has over 18 years of experience in the energy industry. During her 14 years with NOVI Energy, Ms. Gangadharan has provided engineering leadership, technical direction and managed all financial analysis for various NOVI Energy development projects that have included traditional and renewable power generation facilities, cogeneration facilities, emergency-power generating systems, continuous power systems and central utility plants. She has experience in conducting feasibility analyses for new energy developments and modification of the existing infrastructure. Ms. Gangadharan is also well versed in evaluating new and emerging technologies for commercial and industrial applications. Her experience in this area includes assessment of energy storage devices, superconducting devices, power quality devices and new power generating equipment. She also has experience in the design and implementation of micro grid applications for commercial and U.S. defense applications.

Experience

Charles City Combined-Cycle Gas Turbine Plant, Charles City, VA – Ms. Gangadharan supervised engineers in developing initial technical analysis for the 1,100 MW combined cycle plant that is being developed by NOVI in Virginia. She developed the financial pro forma for the project to secure financing and is part of the financing team for the project.

City Point Energy Center, VA – NOVI is developing a 50 MW combined heat and power (CHP) facility located in Hopewell, Virginia. This plant is being built in partnership with a large industrial facility to supply electricity and steam. Ms. Gangadharan developed the financial pro forma for the project to secure financing and to finalize long term contracting for the project. The investment includes acquiring a coal based power generation facility and converting into a new natural gas fired combined heat and power (CHP) facility. The CHP plant is expected to be in operations in year 2019.

Flower Gate Gas-Fired Power Plant Feasibility Study, Nigeria – As part of the financial analysis team, Ms. Gangadharan was responsible in developing the financial parameters for conducting the feasibility study. She worked closely with the project team to finalize the financial pro forma that was used to determine the feasibility of the natural gas combined heat and power plant.

Badagry Combined-Cycle Gas Turbine IPP Feasibility Study, Nigeria –Ms. Gangadharan was responsible for reviewing the technical aspects of the project as well as developing the financial parameters used for conducting the feasibility study. She worked closely with the project team to finalize the financial pro forma that was used to determine the feasibility of the 275 MW natural gas combined cycle plant.

Advisory Services to Government of Nepal for Contract Negotiations – Ms. Gangadharan was part of the NOVI team that worked with Government of Nepal to understand the challenges of developing hydro power projects in Nepal and based on international best practices, formulate its own positions. She was part of the team assessing the financial, technical, and economic parameters for these projects and supported other team members in reviewing pertinent documents and developing a financial model to analyze the effect of financing a hydro project in US currency versus local or regional currencies such as Nepalese rupee or Indian rupee.

Halifax County Biomass (HCB) Power Project, South Boston VA – Ms. Gangadharan was part of the technical and financial team that established the feasibility for this 50 MW waste-wood fired power generation facility. She supervised engineers in developing initial technical analysis and developed financial models that established initial feasibility for the project. Further development efforts included developing the financial pro forma for the project that helped to secure financing and regulatory approvals. Construction on the project was completed in 2013 and the plant is currently in operation.

Fremont Community Digester (FCD) Project, Fremont, MI – Ms. Gangadharan was the Senior Manager overseeing all project implementation activities for the FCD project. She negotiated the engineering, procurement, and construction contract for the $22 million project and managed construction and commissioning. She was part of the NOVI Energy team that developed this anaerobic co-digestion facility having a capacity to process 350 - 400 tons per day of different organic wastes to produce biogas. Her responsibilities included selection and interaction with the European technology provider and management of construction. She led the financing team that determined financial and technical feasibility to secured financing for this project.

North Carolina Digester (NCD I and NCD II) Projects, NC – Ms. Gangadharan is part of the NOVI Energy team that is developing two anaerobic digesters in North Carolina, each having a power generation capacity of 4.3 MW. Each digester will process approximately 1700 tons per day of organic waste. Her development efforts included developing the financial pro forma for these projects to help secure financing and regulatory approvals.

Air Force Base Facility Energy Audits – Technical lead in identifying opportunities for small renewable and nonrenewable energy production from input gathered during energy and water audits conducted at multiple Air Force Bases. Renewable technologies evaluated included solar, wind, and geothermal.

Feasibility Studies For Department of Veteran Affairs (VA) – Supervised and conducted financial analysis as part of the Combined Heat and Power (CHP), Solar, Wind, and Ground Source Heat Pump feasibility studies for various VA facilities. Work included model assumptions development, utility tariff analysis, and determining the bounding conditions for the sensitivity analysis. She also supervised the engineering team that performed the technical analysis.

Newberry Renewable Energy Project, Newberry, MI – Performed technical feasibility analysis for a NOVI Energy 24 MW development project fueled by waste wood chips in Michigan's Upper Peninsula. Established the plant's technical viability using a stoker boiler with a fully condensing steam turbine.

Metropolitan Hospital, MI – Developed a comprehensive energy plan for a new centralized LEED certified energy center for a healthcare facility in Michigan. The energy center included a natural gas fired 2.2 MW combined heat and power system, 3.5 MW emergency power generating systems with ride-through capabilities, natural gas fired boilers and a combination of absorption and electric chillers. Reviewed the conceptual design and thermal balance evaluations and developed the cost estimate for the facility.

Rapid River Renewable Energy, MI – Supported the development of a wood fired 36 MW cogeneration facility in Michigan, defining the most economically viable configuration with various industrial co-location opportunities.

Chemical Manufacturing Facility, LA – Performed industrial facility assessments for a chemical industrial facility and proposed solutions to reduce overall energy consumption. Installation of a new 12 MW natural gas fired combined heat and power system and consolidation of existing steam loops at different pressures were proposed as viable solutions for implementation.

General Motors Corporation Manufacturing Facility, NJ – Served as technical lead in the valuation of a 25 MW gas turbine plant. Assisted the Cogeneration facility in New Jersey with transfer of ownership and asset management related services.

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Phil Lewis

Senior Asset Manager

Education

US Naval Nuclear Power School
Orlando, FL

Phil Lewis is the Senior Asset Manager for NOVI Energy, an energy infrastructure project developer and energy consultant. He provides project management leadership on a variety of electric energy-related projects. Mr. Lewis has over 38 years of professional experience in the energy industry. He has performed in Plant General Manager, Operations Manager, Startup Manager and Technical Field Adviser role for a variety of power projects.

Experience

City Point Energy Center, VA – NOVI is developing a 50 MW combined heat and power (CHP) facility located in Hopewell, Virginia. This plant is being built in partnership with a large industrial facility to supply electricity and steam. Mr. Lewis is providing operations management services to support acquisition and operation of a coal based power generation facility and converting it to a new natural gas fired combined heat and power facility.

Charles City Combined-Cycle Gas Turbine Plant, Charles City, VA – Mr. Lewis is supporting the development of the 2x1 1060 MW combined cycle plant that NOVI is developing in Virginia. He is preparing the operations plan and is one of the onsite managers supervising the construction of the facility. The plant is expected to be in commercial operations in year 2020.

Halifax County Biomass (HCB), South Boston, VA – Mr. Lewis was the Operations and Construction Advisor for this 50 MW waste wood-fueled electric generating facility built in South Boston, Virginia. He was responsible for reviewing all design plans from an Operational perspective for the $185 million project.

Grayling Generating Station, Grayling, MI – Mr. Lewis was the Plant General Manager for over 17 years. Prior to this, he was the Operations Manager for 6 years. He managed all business, operations and maintenance activities at this 38 MW Biomass Power Plant.

Genesee Power Station, Flint, MI – Mr. Lewis provided Startup Management support for this 35 MW Biomass Power Plant. He supervised the construction and startup of this facility.

Operations Analyst, CMS Generation – Mr. Lewis conducted due diligence review of potential projects and provided recommendations to Company Officers regarding project viability. He also provided Project Management support to their operating plants to help solve ongoing Operational Issues.

Beaver Valley Unit 2 Power Plant, Beaver, PA – Mr. Lewis was a System (Startup) Engineer at this 900 MW Nuclear Power plant.

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DUSTY RHODES

Senior Construction Manager

Education

Chenier Business College
Beaumont, Texas

Lester "Dusty" Rhodes is the Senior Construction Manager for NOVI Energy, an energy infrastructure project developer and energy consultant. He provides project management leadership on a variety of electric energy-related projects. Mr. Rhodes has over 42 years of professional experience in the energy infrastructure construction industry. He has performed in Construction Manager, Site Manager, Technical Field Adviser, and Superintendent roles for a variety of large power projects.

Experience

City Point Energy Center, VA – NOVI is developing a 50 MW combined heat and power (CHP) facility located in Hopewell, Virginia. This plant is being built in partnership with a large industrial facility to supply electricity and steam. Mr. Rhodes is providing construction management services to support acquisition of a coal based power generation facility and converting into a new natural gas fired combined heat and power facility.

Charles City Combined-Cycle Gas Turbine Plant, Charles City, VA – Mr. Rhodes is supporting the development of the 2x1 1060 MW combined cycle plant that NOVI is developing in Virginia. He is managing the early water permit and site related exploratory investigations and is one of the onsite managers supervising the construction of the facility. The plant is expected to be in commercial operations in year 2020.

Brunswick Power Station, Freeman, VA –Mr. Rhodes was the Technical Field Adviser for Alstom Power HRSGs for a three on one (3 on 1) combine cycle (1,340 MW) power station.

Halifax County Biomass (HCB), South Boston, VA – Mr. Rhodes was the Construction Manager of the 50 MW waste wood-fueled electric generating facility built in South Boston, Virginia. He was responsible for management oversight of all construction activities for the $185 million project. He monitored the quality and schedule compliance of all site contractors and consultants. He also was responsible for site safety performance.

Two 660 MW Spiral Wall Super Critical Boiler Project in Bath, India – Mr. Rhodes was the Site Manager for construction of an electric generating plant that included installation of spiral wall super critical boilers for steam generation.

Circulating Fluidized-bed Electric Generating Units for East Kentucky Power – Mr. Rhodes was the Site Manager for construction of two 300 MW circulating fluidized bed power units at Maysville, KY.

Union River Power Station, El Dorado, Arkansas – Mr. Rhodes was Alstom Power Boiler's site manager for construction of eight natural gas-fueled heat recovery steam generators totaling 2,200 MW at the Union River Power Station, El Dorado, AR.

DUSTY RHODES

Senior Construction Manager

Hays Project, San Marcos, Texas and Midlothian Project, Midlothian, Texas – Mr. Rhodes served as ABB's Site Manager supervising subcontractor installation of eight ICS, heat recovery steam generators at the Hays Project in San Marcos, TX and the Midlothian Project in Midlothian, TX.

Enfield Project, North London, UK – Site Manager supervising subcontractor installation of a heat recovery steam generator at North London, UK.

Tonghae, South Korea Power Project – Construction Manager for a 400 MW power plant in South Korea.

780-megawatt Coal-fired Power Plant – Construction Manager for a 780 MW power plant utilizing pulverized coal boilers.

AES Shady Point Project – Construction Superintendent for coal-fueled plant, including installation of four circulating fluidized bed boilers with bag houses.

Water Treatment Project at Arlington, Texas – Construction Manager for 25-million gallons per day water treatment project at Southwest Water Treatment Plant.

NOVI ENERGY | Energy Solutions for the 21st Century

GENE CHURGIN, P. E.
Senior Consulting Engineer

Education

M.S. – Management Engineering
Long Island University

B.S. – Marine Engineering
US Merchant Marine Academy,
Kings Point

Registered Professional Engineer
State of Michigan

Mr. Churgin has more than 50 years of experience in the energy industry in the areas of Design, Engineering and Project Management. He has provided his technical expertise in concept design, development design, detail engineering and construction. During his career, he has provided technical leadership in the development and construction of power generation facilities as well as several electrical, mechanical and emission control systems.

His experience is in Energy Management, Cogeneration Analysis and Design, Solid Fuels Technology and Cycle Optimization Analysis. Mr. Churgin is a Professional Engineer registered in several states.

Experience

Charles City Combined-Cycle Gas Turbine Plant, Charles City, VA- NOVI Energy is developing a 1060 MW natural gas fired combined cycle plant in Virginia. As a senior technical consultant, Mr. Churgin reviewed the design criteria, preliminary technical specifications and Piping and Instrumentation Drawings (P&IDs) for the project.

Halifax County Biomass Project, South Boston VA - Mr. Churgin provided technical reviews of design documents for the HCB Project. He developed the initial technical specifications and Engineering, Procurement and Construction (EPC) scope document for the HCB Project. Mr. Churgin supported various initial development activities for HCB. As an expert consultant on design review activities, he reviewed all Piping and Instrumentation Drawings (P&IDs) and other important submittals for the HCB Project. Mr. Churgin was part of NOVI's team reviewing EPC documents for all aspects of the design and construction of the HCB Project.

Department of Veterans Affairs, CHP Analysis - Mr. Churgin was part of a NOVI Energy team of energy professionals and engineers who established the technical and financial feasibility of installing and operating combined heat and power (CHP) facilities for 16 Veterans Administration Hospitals across the United States.

Prior to joining NOVI, Mr. Churgin worked with various engineering organizations. His work experience includes providing various engineering services for Cummins & Barnard, Black & Veatch, Bechtel, Simons-Eastern, Gibbs & Cox, U.S. Department of Justice, Travelers Insurance and Grumman Aerospace Corporation. Details are listed below:

Morton Salt – Manistee Plant AQCS Addition – Senior Project Manager: Directly responsible for the engineering, procurement and construction management for adding baghouses, hydrated lime injection, new ID Fan and a new ash collection system on Boiler 6 for compliance with Industrial Boiler MACT. Directly responsible for the engineering, procurement and construction management for adding baghouses, hydrated lime injection, B–PAC injection, new ID Fans and new ash collection system on Boilers 1 and 2 for compliance with Industrial Boiler MACT.

Olmsted County, Minnesota – Power Island – Senior Project Manager: Directly responsible for the C&B portion (Power Island) of the design and installation of a major expansion of Olmsted County's Waste to Energy Facility.

The Green Institute – Incinerator Conversion Feasibility Study – Senior Project Manager: Responsible for engineering study to investigate the feasibility of converting an incinerator in Minneapolis into a wood burning facility, nominally 25 MW.

Idaho Power – Peaking Plant Development – Senior Project Manager: Responsible for developing a peaking plant using "F" class CTG (combustion turbine generator) technology and helping client to purchase a CTG from either the secondary market or new unit from an OEM.

Ontario Power Generation – Nanticoke Generating Station – Senior Project Manager: Responsible for the development and implementation of a steam inerting system for protection of the pulverizers on Unit 8.

City of Holland and City of Wyandotte, Michigan – Environmental Study – Senior Project Manager: Responsible for an environmental study relating to obtaining State of Michigan "hardship" emission credits.

Consumers Power – Upgrade Projects – Senior Project Manager: Responsible for multiple small upgrade projects at multiple sites.

Ameren UE – Peno Creek Energy Center – Senior Project Manager: Responsible for a lump sum EPC dual fuel peaking combustion turbine project in Bowling Green, Missouri. The project included (4) P&W FT8 Twin Pacs.

Mead – Solid Fuel Plant Conceptual Study – Senior Project Manager: Responsible for developing a conceptual project and analysis for building a CFBC solid fuel plant or a CTG facility external to the paper mill, for comparing to upgrading of their existing coal fired plant at the mill.

Detroit Edison – Fermi Plant – Senior Project Manager: Responsible for the conceptual design for adding a 25 MW CTG as backup power to the plant. Project was not implemented.

Indiana Municipal Power Authority (IMPA) – Combustion Turbine Addition – Senior Project Manager: Responsible for the conceptual design for adding a combustion turbine at their Anderson, Indiana site. Project was implemented in 2004.

Mirant Corporation – EPC Project – Senior Project Manager: Responsible for developing a 580 MW combined cycle lump sum EPC project in Antioch, California. Project then assigned to Kansas City office.

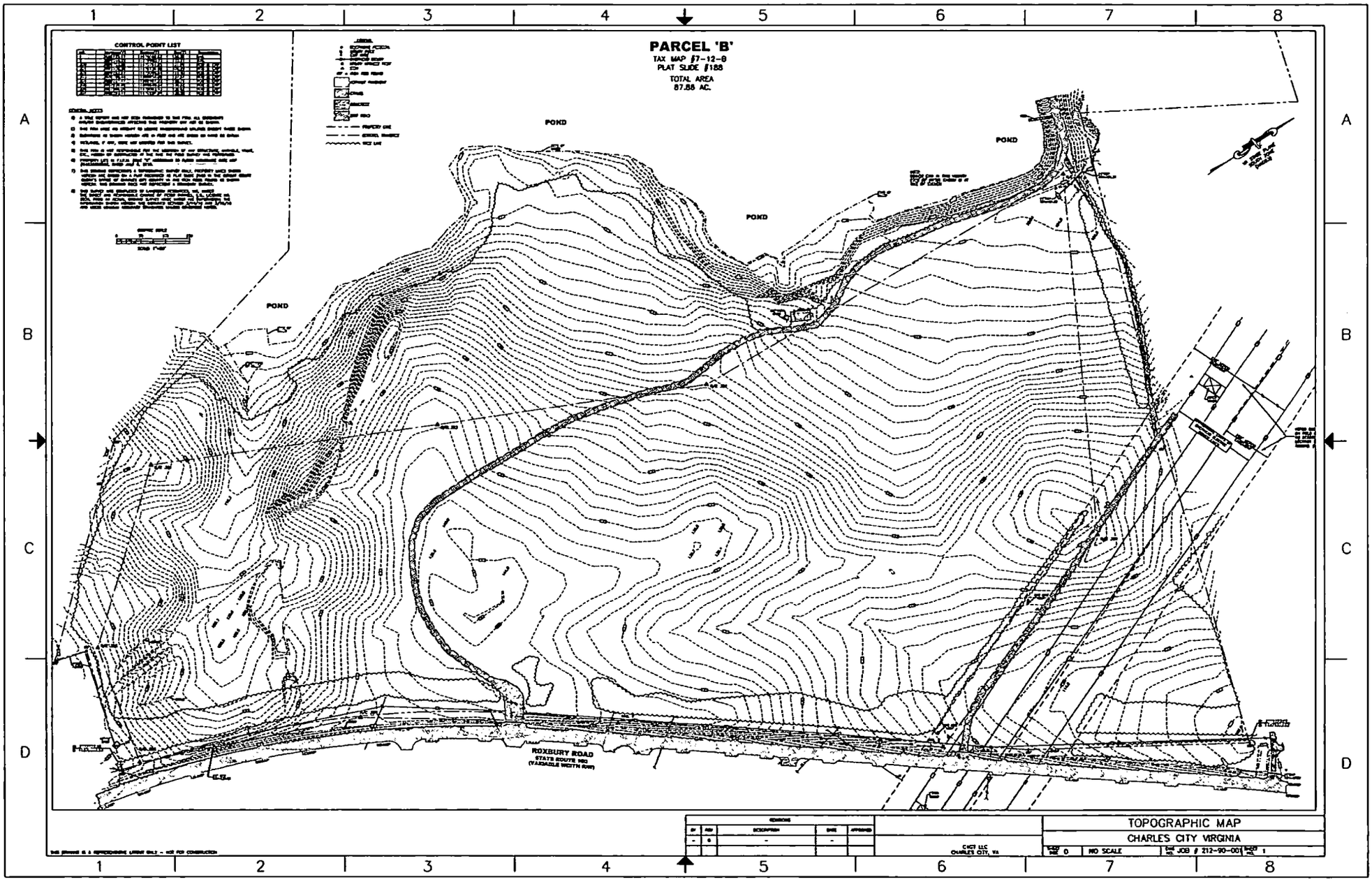
DPL Energy, (Dayton, Ohio) – Greenville Peaking Plant – Senior Project Manager: Responsible for a lump sum EPC dual fuel peaking combustion turbine project in Greenville, Ohio. The project included (4) P&W FT8 Twin Pacs.

Detroit Edison – Greenwood Peaking Plant – Senior Project Manager: Responsible for a lump sum EPC peaking CTG project at the Greenwood regulated facility of Detroit Edison. The project had three GE 7EA combustion turbines in simple cycle, firing natural gas.

Detroit Edison – Belle River Peaking Plant – Senior Project Manager: Responsible for a lump sum EPC peaking CTG project at the Belle River regulated facility of Detroit Edison. The project had three GE 7EA combustion turbines in simple cycle, firing natural gas.

160920085

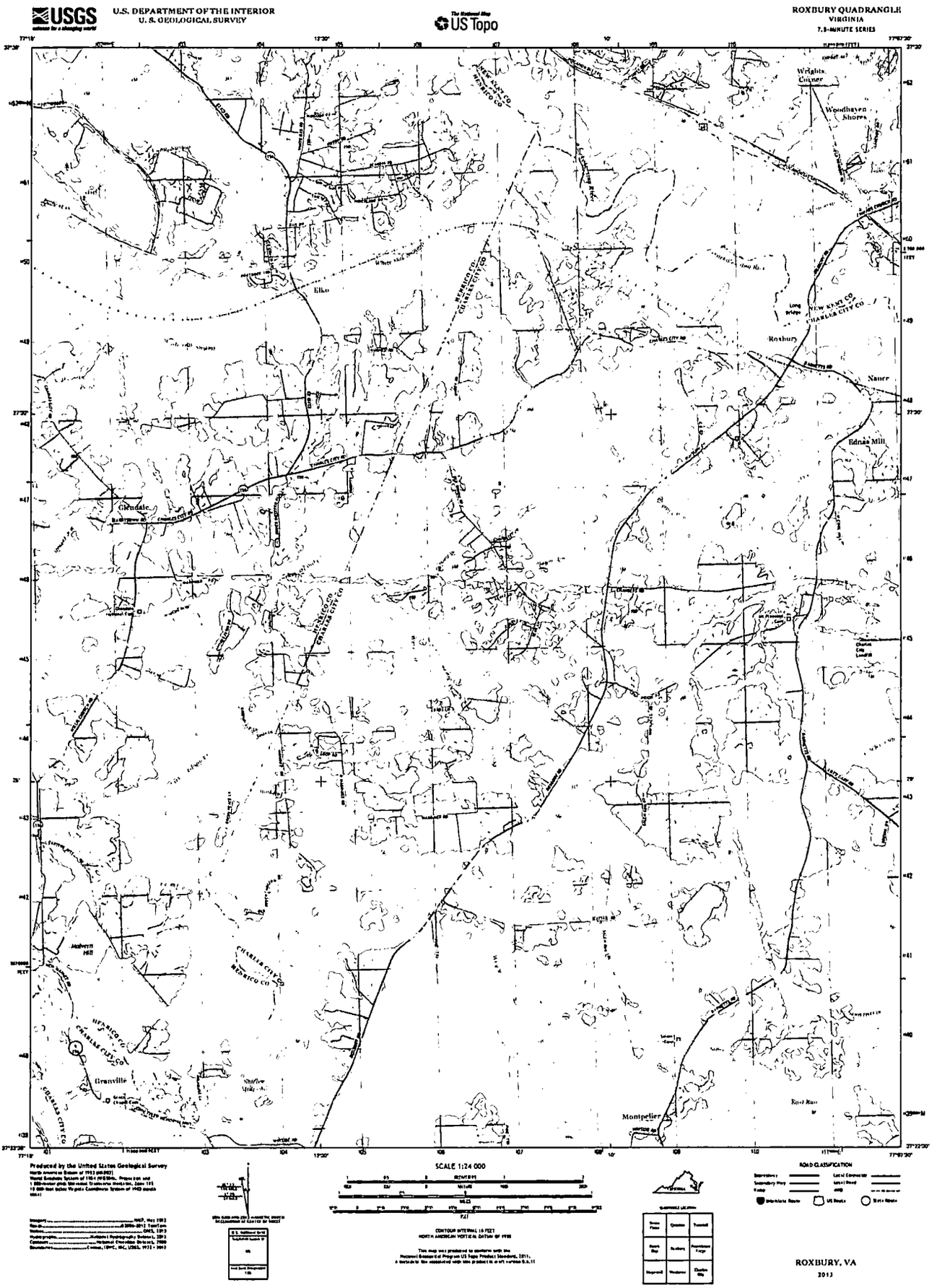
Attachment Exhibit No. 4


PARCEL 'B'
TAX MAP #7-12-B
PLAT SLIDE #188
TOTAL AREA
87.58 AC.
CONTROL POINT LIST
POND
POND
POND
POND
ROXBURY ROAD
STATE ROUTE 160
(VARIABLE WIDTH R/W)
TOPOGRAPHIC MAP
CHARLES CITY VIRGINIA
NO SCALE
JOB # 212-90-001

Attachment
Exhibit No. 5

160520055

Attachment
Exhibit No. 6


USGS
U.S. DEPARTMENT OF THE INTERIOR
U. S. GEOLOGICAL SURVEY
US Topo
ROXBURY QUADRANGLE
VIRGINIA
7.5-MINUTE SERIES
Wrights Corner
Woodhaven Shores
Elko
Roxbury
Naier
Ednas Mill
Glendale
Granville
Montpelier
SCALE 1:24 000
ROXBURY, VA
2013

Attachment
Exhibit No. 7

5600365

COMMONWEALTH OF VIRGINIA
COUNTY of CHARLES CITY
P.O. BOX 128
CHARLES CITY, VIRGINIA 23030

BOARD OF SUPERVISORS
GILBERT A. SMITH, CHAIRMAN
FLOYD H. MILES, SR., VICE-CHAIRMAN
WILLIAM G. COADA, MEMBER

COUNTY ADMINISTRATOR
ZACH TROGDON

March 15, 2016

Charles City County
1900 Courthouse Road
Charles City, Virginia 23030

RE: SUP-04-2015, Charles City County
County Tax Map Parcel #7-12-B

Dear Sir/Madam:

At the Joint Public Hearing meeting of the Board of Supervisors and Planning Commission held on December 9, 2015, the Board unanimously approved an amendment to Condition #1 of SUP-03-2015 to permit a "central utility system in conjunction with a right-of-way greater than or equal to 30 feet in width" in order to locate up to an 1,100 megawatt combined cycle natural gas power plant with secondary solar generation and incidental switching station and fuel storage. The original permit language allowed up to a 1,000 megawatt facility. All other conditions of permit SUP-03-2015 will be applicable and in effect.

If you have any questions or concerns, please feel free to contact us.

Sincerely,

Zach Trogdon
County Administrator

COMMONWEALTH OF VIRGINIA
COUNTY of CHARLES CITY
P.O. BOX 128
CHARLES CITY, VIRGINIA 23030

June 30, 2015

Charles City County
10900 Courthouse Road
Charles City, Virginia 23030

RE: SUP-03-2015, County of Charles City Virginia
County Tax Map Parcel #7-12-B

Dear Sir:

At the Joint Public Hearing meeting of the Board of Supervisors and Planning Commission held on May 28, 2015, the Board unanimously approved the request to for a special use permit for 88 acres (TM#7-12-B) per Section 12-3 (2) for "central utility system in conjunction with a right of way greater than or equal to 30 feet in width" in order to operate a 1,000 megawatt combined cycle natural gas power plant, with secondary solar power, and incidental switching station and fuel storage. Site is located on Roxbury Road approximately 2,000 LF North and West of the intersection of State Route 685 (Chambers Road).

See attached conditions for SUP-03-2015. If you have any questions or concerns, please feel free to contact us.

Sincerely,

Zach Trogdon
County Administrator

Enclosure

COMMONWEALTH OF VIRGINIA
COUNTY of CHARLES CITY

Conditions
County Tax Map Parcel #7-12-B
#SUP-03-2015

The following Conditions as amended are recommended to apply to #SUP-03-2015:

General:

1. This permit is for the construction and operation of a central utility system in conjunction with a right of way greater than or equal to 30 feet in width in order to operate a 1,000 megawatt combined cycle natural gas power plant, with secondary solar power, and incidental switching station and fuel storage. The facility shall be constructed, operated, and maintained in accordance with all rules and regulations of the Charles City County Zoning Ordinance, with any and all terms and conditions of this special use permit, and in compliance with all federal, state and other local laws and regulations for this use.

2. Prior to the issuance of a Building Permit for the proposed facility or any accessory structures and/or equipment, the permittee shall submit a site plan for County approval in accordance with the provisions of the County's Site Plan Ordinance.

3. A copy of any and all permits, and/or licenses from VADEQ, EPA, and any other governmental agency regulating this use must be on file with the County prior to issuance of the Building Permit.

4. Permittee shall secure and maintain all Federal, State, and Local licenses and certificates required to do business in the Commonwealth of Virginia, and Charles City County.

5. Permittee shall submit to the County all proposed design, construction and operational plans, permit applications and other documents that are submitted to local, state, and federal agencies in connection with the facility.

6. This special use permit shall expire if the use of the site as a power generation facility ceases for 2 years and/or a power generation facility is not under construction on the property within 6 years of the date of its approval.

7. These conditions shall be binding on any person, entity, including the permittee, its assigns, successors, and any subsequent assignee(s), successor(s), owner(s), operator(s), or lessee(s), owning, operating, or leasing the power generation facility and accessory facilities situated on subject property.

Right to Entry and Inspection of Premises:

8. Permittee shall allow designated County representatives or employees access to the facility at any time for inspection purposes. Reports of such inspections shall be provided to the Planning Director to determine compliance with permit.

Light:

9. All exterior, permanent lights shall be arranged and installed so that the direct or reflected illumination is minimized at the property line.

10. All permanent light sources (except emergency and/or safety lighting) shall be directional and shielded fixtures that cast light downward.

Site:

11. Permanent entrance ways and parking areas (excluding onsite travel ways) shall have asphalt surface or better and shall be maintained in a manner that will keep dust to a minimum so as not to adversely impact adjacent properties.

12. A security fence a minimum of 6 feet in height with an anti-climbing device shall be placed around the perimeter of the facility.

13. Signage shall meet Section 16 of the Zoning Ordinance.

14. Landscaping shall meet the requirements of Section 17 of the Zoning Ordinance. Existing vegetation shall be preserved and enhanced in all required property line setbacks, except for fences, gates, roads, guardhouses, and utilities and related equipment. A landscaping plan shall be submitted to the Planning Director for review and approval to ensure that this condition is being met. Nothing herein shall prohibit the removal of diseased or dying trees within the setback area.

Traffic Management:

15. The submitted Site Plan shall be forwarded to VDOT for their review and approval. The Site Plan shall also include a construction management element to ensure that construction entrances and access roads are provided appropriately, to reduce the impact from wide-load and large trucks on the public roadway and the surrounding community.

16. Prior to County approval of the site plan, the permittee shall provide a copy of an approved commercial entrance permit for all proposed accesses to the subject property from VDOT.

17. Construction traffic shall be limited to State Route 106.

18. Any permanent access road shall be paved.

Environment:

19. Prior to commencing land disturbing activities on the subject property, the permittee shall submit to the County for review and approval an Erosion and Sediment Control Plan and Stormwater Management Plan in accordance with the provisions of the Charles City County Combined Stormwater Ordinance and the Virginia Erosion and Sediment Control Handbook and Regulations (which shall address all Chesapeake Bay Preservation Act Requirements).

20. A copy of any and all permits, and/or licenses from VADEQ, EPA, and any other governmental agency regulating this use must be on file with the County prior to issuance of the Building Permit.

21. The facility shall utilize Best Available Control Technology (BACT) as determined by VADEQ in order to minimize impacts on air quality.

22. Water usage for the facility shall be approved by VADEQ and/or VDH.

23. The permittee shall operate at or below the emissions established in its VADEQ and/or EPA permits. The permit criteria and limits shall be established by VADEQ and EPA.

24. Noise levels at the property lines shall not exceed 55 decibels.

Compliance:

25. Violation of any Local, State, or Federal law, regulation, or ordinance or violation of any condition of this permit shall be grounds for revocation of this permit by the County.

26. In the event the permittee is notified of any violations of applicable laws, regulations or permit conditions at the facility, permittee shall notify the County and shall promptly and diligently cooperate with the applicable regulatory agency and take other reasonable actions in an attempt to cure the violation. Permittee shall promptly notify the County thereof and shall provide the County with all information pertinent thereto and details of the applicant's action to remedy said violation.

27. All complaints received by the County will be referred directly to the permittee which shall give them prompt and courteous attention and shall advise the County of the disposition of such complaints within 30 days of the complaint referral.

Safety:

28. The facility and all accessory structures shall be designed and constructed to meet all requirements of the Virginia Uniform Statewide Building Code pertaining to fire prevention measures.

29. Permittee shall comply with all Federal, State, and Local regulations related to the use, storage and transportation of chemicals used at the facility.

Approved the 28th day of May, 2015.

CHARLES CITY COUNTY

By: _____
Zach Trogdon, County Administrator

Attachment Exhibit No. 8

160920085